

Grant County Public Works
124 Enterprise Street S.E.
Ephrata, Washington 98823
(509) 754-6082 Fax (509) 754-6087
jwawers@grantcountywa.gov



May 4, 2016
Attn: Electrical Contractors
Re: Supply and Install Backup Generator

QUOTE SHALL BE RETURNED BY: 4:00 P.M., May 16, 2016

Your company is requested to provide a quote to furnish materials and services for the installation of a Back-up Generator and Transfer Switch at the Grant County Landfill, Ephrata, WA.

You may print a copy of this document, enter the necessary information and return via:

E-mail: jwawers@grantcountywa.gov

Fax: Grant County Public Works (509) 754-6087

Mail: Grant County Public Works
124 Enterprise Street S.E.
Ephrata, WA 98837
Attn: Jerome Wawers, Landfill Scale GenSet

Provide the cost to furnish materials and installation at:

Grant County Landfill
3803 Neva Lake Road NW
Ephrata, WA 98823

The following items and installation meeting the specifications:

Description	Quantity	\$ Amount
30 KW, 120/240 Volt, 3 phase diesel powered Generator Set with integrated generator set control system, 100 amp, 120/240 volt 3 phase, Service Entrance Transfer Switch, Open Transition and Installation	1	
	Tax 7.9%	
	Total	

General Specifications:

The Contractor shall follow the requirements of the Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction 2016 Edition.

Supply Materials and Installation of a Fully Automated Back-up Generator (Stand-By) and Transfer Switch at the Grant County Landfill Scale Building, Ephrata, WA: 3803 Neva Lake Road NW, Ephrata, WA

The Landfill Scale Building is a pre-cast concrete structure. The Generator Set is to be installed immediately adjacent to the SE wall of the Scale Building. There is room on the exterior wall above grade and below the floor to allow a penetration for necessary conduit. There is crawl space access through a hatch in the building floor. The electrical service panel is in the NW interior corner of the building. Google Earth coordinates for the building are: 47° 16' 11.63" N 119° 34' 10.67" W

It is highly recommended that Vendors visit the site prior to submittal of Quotes.

Includes Necessary Permits and the Supply and Installation of:

One (1) 30KW, 120/240 Volt, 3 phase diesel powered Generator Set with integrated generator set control system providing total generator set system integration including automatic remote starting/stopping, precise frequency and voltage regulation, alarm and status message display, output metering, auto-shutdown at fault detection and NFPA 110 Level 1 compliance.

AC Protection:

- Over current warning and shutdown
- Over and under voltage shutdown
- Over and under frequency shutdown
- Field overload

Engine Protection:

- Over-speed shutdown
- Engine Shutdown- Low Oil Pressure, Low Coolant Level, High Coolant Temperature and Failure to Start shutdown

Control Functions:

- Time delay start and cooldown
- Cycle cranking
- PCCNet interface
- Remote emergency stop
- Automatic Transfer Switch Control
- Generator Set Exercise, Field adjustable
- Single Circuit Breaker, 80% rated circuit breaker

- Class 1 Aluminum Sound Enclosure (69.7 decibels or less @ 23ft)
- 24 Hour Capacity Sub-Base Fuel Tank
- Oil & Coolant Drain extensions
- Larger Battery Rack if available
- All Materials and Excavation for Concrete Setting Slab
- Include 2 year Warranty on Generator Set and Transfer Switch.

One (1) 100 amp, 120/240 volt 3 phase, Service Entrance Transfer Switch, Open Transition:

Mechanical and electrical interlocking prevents source-to-source connection through the power or control wiring.

Total Transfer Time (source-to-source) will not exceed 6 cycles at 60Hz with normal voltage applied to the actuator and without programmed transition installed.

Microprocessor Control:

LEDs display transfer switch status, push buttons allow operator to activate control test, exercise timing and transfer mode.

Voltage Sensing: All phases on the normal source and single phase on the generator source.

Frequency Sensing: Generator source pickup, 90% of nominal frequency

Transition Modes: Open transition/programed and open transition/in-phase

Time –delay functions: Engine start, Transfer normal to emergency, Re-transfer emergency to normal and engine stop.

Final electrical connections that disrupt service to the building shall be made AFTER 3:30 p.m. when Scale Operations conclude for the day. Final electrical connections may extend beyond 4:30 p.m. if necessary to prevent extra work days.

Commissioning **Shall** be on a **THURSDAY** and include: Start-up, 1 hour Load Bank Test with Documentation, Test on Building Load, and Personnel Training during Start-up.

All materials, installation and personnel shall meet current:

Electrical RCW 19.28

Electrical WAC Rule 296-46B

***EXCLUDES: Utility Fees

Replacing any other electrical not related to this quote.

It is highly recommended that Vendors visit the site prior to submittal of Quotes.

Special Provisions

1-07 LEGAL RELATIONS AND REPSONSIBILITIES TO THE PUBLIC

1-07.2 State Taxes

Section 1-07.2(1) Applies to this work.

This work is considered a Public Work and State Prevailing Wage Rates/Laws apply.

Any other information the Contractor deems pertinent may be added to the last page of this document or enclosed with this Quote.

Quote Evaluations

Quote evaluations shall include, but not be limited by, the following criteria:

- Price (*may include life cycle*)
- Conformance to specifications
- Past performance of services rendered and manufactures products
- Quality of product

Installation & Services must be scheduled between 7:00 A.M. to 4:30 P.M., Monday thru Friday. If you are awarded the Quote, please call Janice Goeden (509) 750-3351 at least one week prior to commencing work to make arrangements.

If you have questions please contact: Jerome Wawers, (509) 754-6082, jwawers@grantcountywa.gov

In compliance with Chapter 39.34.030(5)b RCW a public notice for this solicitation for quotes has been posted on Grant County's website <http://www.grantcountywa.gov/GCPW/RFBQS/RFBQS-2016.htm>

PROPOSAL MUST BE SIGNED → _____

Signature of Authorized Official(s)

Please Print Name of Authorized Official(s)

Firm Name _____

Address _____

City, St., Zip _____

Email _____

Voice (____) _____

Fax (____) _____

State of Washington License No. _____

Note:

- (1) This proposal form is not transferable and any alteration entered heron without prior permission from or by the County Engineer will be cause for considering the proposal irregular and subsequent rejection of the quote.
- (2) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal in your communication: **Landfill Scale GenSet**